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Water Supply Outlook For Nevada



SOIL CONSERVATION SERVICE
U.S. DEPARTMENT OF AGRICULTURE

Cooperating with

NEVADA DEPARTMENT OF CONSERVATION
AND NATURAL RESOURCES

AS OF
Oct. 1, 1984

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

COVER PHOTO: SPRING IS ON THE WAY.

Published by Soil Conservation Service

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 510, 511 N.W. Broadway, Portland Oregon 97209.

Copies of state and local reports may also be obtained from the state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	Room 129, 2221 East Northern Lights Blvd., Anchorage, Alaska 99504
Arizona	Room 3008, Federal Building, 230 N. First Ave., Phoenix, Arizona 85025
Colorado (N. Mex.)	2490 W. 26th Avenue, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th St., Boise, Idaho 83702
Montana	32 E. Babcock, Bozeman, Montana 59715
Nevada	P.O. Box 4850, Reno Nevada 89505
Oregon	1220 S. W. Third Ave., Portland, Oregon 97204
Utah	4420 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	100 E. "B" St., Casper, Wyoming 82601

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Snow Surveys Branch, California Department of Water Resources, P.O. Box 388, Sacramento, California 95802 --- for British Columbia by the Ministry of the Environment, Water Investigations Branch, Parliament Buildings, Victoria, British Columbia V8V 1X5 --- for Yukon Territory by the Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory Y1A 3V1 --- and for Alberta, Saskatchewan, and N.W.T. by the Water Survey of Canada, Inland Waters Branch, 110-12 Avenue S.W., Calgary, Alberta T3C 1A6.



TABLE OF CONTENTS

WATER SUPPLY OUTLOOK FOR NEVADA	1-2
NEVADA STREAMFLOW FORECASTS AND OBSERVED STREAMFLOW	3
RESERVOIR STORAGE STATUS.	3
PRECIPITATION	4-8
LIST OF COOPERATORS	Inside Back Cover

ALL AVERAGES ARE FOR 1961-80

DATA ARE PROVISIONAL AND SUBJECT TO REVISION

WATER SUPPLY OUTLOOK FOR NEVADA

The 1984 water year provided extremes in water supply. The southern portion of the State experienced very low snowpack accumulations, while the northern portion of the State recorded maximum on record for many sites. Several SNOTEL sites in the Humboldt Basin continued to accumulate snow until the middle of March.

Streamflow during the spring and summer was much above average for the Humboldt and Owyhee River Basins. Flooding occurred along both rivers. Humboldt River floodwaters inundated approximately 3,500 acres in the lower Lovelock Valley and 20,000 acres along the river in Humboldt County. The high flows undermined the Highway 95 Bridge in Winnemucca and will necessitate replacing the structure. The total flow at the Palisade gaging station for the period April 1 to July 31 was 1,015,000 acre-feet or 359% of the 1961-80 average.

Snowmelt runoff caused considerable damage to roads and seriously eroded rangeland in the northern part of the State. Saturated soil conditions and avalanches caused many landslides throughout northern Nevada.

Streamflow percentages in the Truckee River Basin were 100-110% of average, while the Walker River was 125% for the East Fork and 120% for the West Fork.

The seven major irrigation reservoirs in Nevada contain 976,100 acre-feet of stored water as compared to 1,196,000 acre-feet on October 1, 1983. The total storage is 124% of October 1 average. The surface elevation of Lake Tahoe is 6,227.58 feet above sea level compared to 6,228.3 last year.

A comparison is shown for the Tahoe-Truckee Basins for the past ten years.

TAHOE-TRUCKEE BASIN

Year	Percent Snow Water as of April 1	Truckee River at Farad April 1-July 31 (1,000 acre-feet)	Lake Tahoe Stage Rise in Feet* April 1 to High Elev.	Reservoir Storage** (1,000 acre-feet)	
				April 1	October 1
1984	108	291	1.69	507	557.8
1983	207	712	3.52	799	876
1982	149	409	2.38	783	901
1981	60	95	.54	553	295
1980	134	355	1.86	458	604
1979	87	177	1.13	237	215
1978	128	318	1.37	188	253
1977	33	51	.31	208	42
1976	47	59	.21	668	398
1975	158	367	1.92	756	785
1961-80 Average	100	269	1.39	653***	626***

* One foot of rise equals approximately 120,000 acre-feet.

** Total of useable storage in Lake Tahoe, Boca, Stampede and Prosser Reservoirs.

*** Stampede and Prosser Reservoirs have 7 and 14-year averages, respectively, included in this total.

Lake Tahoe useable storage is between the elevations of 6,223.0 and 6,229.1 feet. The October 1 level was 6227.58 feet. The high elevations attained each year since 1975 are:

July 5, 1984 - 6,228.75 feet
 July 8, 1983 - 6,228.95 feet
 June 24, 1982 - 6,228.98 feet
 June 8, 1981 - 6,226.53 feet
 July 20, 1980 - 6,227.32 feet
 June 11, 1979 - 6,225.15 feet
 June 11, 1978 - 6,225.20 feet
 June 11, 1977 - 6,224.22 feet
 May 23, 1976 - 6,227.04 feet
 July 16, 1975 - 6,228.60 feet

APRIL-JULY 1984
NEVADA STREAMFLOW FORECASTS
AND
OBSERVED STREAMFLOW

The following table contains April-July forecasts made during the past winter. Observed streamflow quantities are provisional as furnished by the US Geological Survey.

FORECAST STREAMS	APRIL-JULY STREAMFLOW (1,000 acre-feet)						
	FORECAST				OBSERVED	AVERAGE	
	Feb 1 1984	Mar 1 1984	Apr 1 1984	May 1 1984	1984	1961-80	1984 as % of 20-Year Average
<u>TRUCKEE RIVER</u>							
Little Truckee above Boca, CA ^{1/}	130	124	97	90	101	92	110
Truckee River at Farad, CA ^{1/}	380	320	280	270	291	269	108
Lake Tahoe Rise, CA ^{3/}	1.9	1.7	1.5	1.5	1.69	1.39	121
<u>CARSON RIVER</u>							
E Carson near Gardnerville, NV	218	218	205	205	214	187	114
E Carson near Gardnerville, NV (Date of 200 cfs flow)	---	9/1	7/25	7/25	7/29	7/24	---
(Date of 500 cfs flow)	---	---	7/9	7/9	7/9	6/28	---
W Carson at Woodfords, CA	70	62	57	57	69	53	130
Carson near Carson City, NV	255	210	210	210	230	182	126
Carson near Fort Churchill, NV	235	200	200	200	221	166	133
<u>WALKER RIVER</u>							
E Walker nr Bridgeport, CA ^{2/}	100	80	75	75	82	66	124
W Walker below Little Walker near Coleville, CA	215	180	175	170	177	148	119
<u>HUMBOLDT RIVER</u>							
Humboldt R. at Palisade, NV	540	650	650	950 ^{4/}	1015	283	359

1/ Corrected for storage above station.
 2/ April-August flow, corrected for storage.
 3/ Maximum rise in feet from April 1, assuming gates closed.
 4/ May 15 forecast.

RESERVOIR STORAGE STATUS						
October 1, 1984						
BASIN AND STREAM	RESERVOIR	USABLE CAPACITY (1,000 acre-feet)	USABLE STORAGE (1,000 acre-feet)			
			1984	1983	1982	1961-80
Owyhee	Wildhorse	72	57.8	56	54	28
Lower Humboldt	Rye Patch	194	169	181	143	109
Colorado	Mohave	1,810	1,584	1,600	1,419	1,413
Colorado	Mead	26,159	24,406	25,658	22,773	17,248
Tahoe	Tahoe	745	557.8	646	661	456
Truckee	Boca	41	34.9	35	34	20
Truckee	Prosser	30*	18.2	1 ^{1/}	21	14**
Truckee	Stampede	220	191.6	194	185	136**
Carson	Lahontan	295	128.6	199	199	138
W Walker	Topaz	59	11.3	45	46	19
E Walker	Bridgeport	42	16.7	34	35	16

*Flood control use allocation of 20,000 ac-ft between November 1 & April 10.
 **Prosser storage began 1/30/63; Stampede storage began 8/1/69.
 1/Prosser was drained for Fish and Game purposes.

PRECIPITATION (Inches)

BASIN AND PRECIPITATION GAGE LOCATION	ELEVATION	PERIOD OF MEASUREMENT	CURRENT RECORD		PAST RECORD
			ACCUM. PRECIP. FOR THE PERIOD	ACCUM. PRECIP. SINCE 10/1/83	ACCUM. PRECIP. PREVIOUS YEAR
<u>TAHOE-TRUCKEE</u>					
BIG MEADOWS	8,300	5/01/84 - 5/31/84 6/01/84 - 6/30/84 7/01/84 - 7/31/84 8/01/84 - 8/31/84 9/01/84 - 9/30/84	3.2 0.4 0.7 0.4 0.0	34.0 34.4 35.1 35.5 35.5	49.3 50.1 50.1 53.2 54.7
ECHO PEAK (CA)	7,800	5/01/84 - 5/31/84 6/01/84 - 6/30/84 7/01/84 - 7/31/84 8/01/84 - 8/31/84 9/01/84 - 9/30/84	0.5 3.0 0.3 2.0 0.4	76.1 79.1 79.4 81.4 81.8	81.7 82.0 82.3 83.6 85.0
FALLEN LEAF (CA)	6,240	5/01/84 - 5/31/84 6/01/84 - 6/30/84 7/01/84 - 7/31/84 8/01/84 - 8/31/84 9/01/84 - 9/30/84	0.0 1.0 0.2 0.0 0.0	18.4 19.4 19.6 19.6 0.0	45.6 46.0 46.0 46.8 48.1
HAGAN'S MEADOW (CA)	8,000	5/01/84 - 5/31/84 6/01/84 - 6/30/84 7/01/84 - 7/31/84 8/01/84 - 8/31/84 9/01/84 - 9/30/84	1.3 1.7 0.9 0.0 0.0	32.5 34.2 35.1 35.1 35.1	40.2 41.5 41.5 42.4 44.4
HEAVENLY VALLEY (CA)	8,800	5/01/84 - 5/31/84 6/01/84 - 6/30/84 7/01/84 - 7/31/84 8/01/84 - 8/31/84 9/01/84 - 9/30/84	1.0 2.2 0.4 0.0 0.3	34.8 37.0 37.4 37.4 37.7	50.5 51.3 51.9 57.9 60.0
INDEPENDENCE CAMP (CA)	7,000	5/01/84 - 5/31/84 6/01/84 - 6/30/84 7/01/84 - 7/31/84 8/01/84 - 8/31/84 9/01/84 - 9/30/84	1.0 0.9 1.6 0.0 0.5	39.6 40.5 42.1 42.1 42.6	51.5 52.4 52.6 53.6 55.6
INDEPENDENCE CREEK (CA)	6,500	5/01/84 - 5/31/84 6/01/84 - 6/30/84 7/01/84 - 7/31/84 8/01/84 - 8/31/84 9/01/84 - 9/30/84	0.1 0.5 2.2 0.0 0.3	40.9 41.4 43.6 43.6 43.9	51.5 52.8 52.0 54.4 56.8
INDEPENDENCE LAKE (CA)	8,450	5/01/84 - 5/31/84 6/01/84 - 6/30/84 7/01/84 - 7/31/84 8/01/84 - 8/31/84 9/01/84 - 9/30/84	1.3 1.6 1.1 0.0 0.0	57.6 59.2 60.3 60.3 60.3	69.5 70.7 71.7 74.0 75.1
MARLETTE LAKE	8,000	5/01/84 - 5/31/84 6/01/84 - 6/30/84 7/01/84 - 7/31/84 8/01/84 - 8/31/84 9/01/84 - 9/30/84	0.5 1.1 0.3 0.4 0.5	36.5 37.6 37.9 38.3 38.8	53.4 54.0 54.2 56.5 59.4
MT. ROSE	9,000	5/01/84 - 5/31/84 6/01/84 - 6/30/84 7/01/84 - 7/31/84 8/01/84 - 8/31/84 9/01/84 - 9/30/84	1.0 1.2 0.3 0.2 0.5	39.6 40.8 41.1 41.3 41.8	49.4 51.1 51.4 53.9 56.0
MT. ROSE SKI AREA	8,850	5/01/84 - 5/31/84 6/01/84 - 6/30/84 7/01/84 - 7/31/84 8/01/84 - 8/31/84 9/01/84 - 9/30/84	1.5 1.7 0.6 0.0 0.2	61.7 63.4 64.0 64.0 64.2	87.8 88.3 89.1 91.1 93.1
RUBICON #2 (CA)	7,500	5/01/84 - 5/31/84 6/01/84 - 6/30/84 7/01/84 - 7/31/84 8/01/84 - 8/31/84 9/01/84 - 9/30/84	0.3 2.0 0.6 0.0 1.3	47.6 49.6 50.2 50.2 51.5	62.7 63.0 63.7 65.0 69.6
SNOTEL PROVISIONAL					

PRECIPITATION (Inches)

BASIN AND PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT RECORD			PAST RECORD
		PERIOD OF MEASUREMENT	ACCUM. PRECIP. FOR THE PERIOD	ACCUM. PRECIP. SINCE 10/1/83	ACCUM. PRECIP. PREVIOUS YEAR
<u>TAHOE-TRUCKEE (CONT.)</u>					
SQUAW VALLEY GOLD COAST (CA)	7,800	5/01/84 - 5/31/84 6/01/84 - 6/30/84 7/01/84 - 7/31/84 8/01/84 - 8/31/84 9/01/84 - 9/30/84	1.8 3.1 1.4 0.4 0.3	72.9 76.0 77.4 77.8 78.1	84.6 86.0 86.7 88.4 92.2
TAHOE CITY CROSS (CA)	6,750	5/01/84 - 5/31/84 6/01/84 - 6/30/84 7/01/84 - 7/31/84 8/01/84 - 8/31/84 9/01/84 - 9/30/84	0.5 1.6 0.1 0.0 0.0	42.4 44.0 44.1 44.1 44.1	51.3 51.9 52.2 53.3 54.4
TRUCKEE #2 (CA)	6,400	5/01/84 - 5/31/84 6/01/84 - 6/30/84 7/01/84 - 7/31/84 8/01/84 - 8/31/84 9/01/84 - 9/30/84	0.5 0.2 0.4 0.0 0.0	36.0 36.2 36.6 36.6 36.6	49.4 50.1 50.1 52.2 54.3
WARD CREEK #3 (CA)	6,750	5/01/84 - 5/31/84 6/01/84 - 6/30/84 7/01/84 - 7/31/84 8/01/84 - 8/31/84 9/01/84 - 9/30/84	2.1 3.3 0.2 0.0 1.0	87.0 90.3 90.5 90.5 91.5	96.9 97.7 98.0 98.8 101.4
<u>CARSON-WALKER</u>					
BLUE LAKES (CA)	8,000	5/01/84 - 5/31/84 6/01/84 - 6/30/84 7/01/84 - 7/31/84 8/01/84 - 8/31/84 9/01/84 - 9/30/84	2.1 0.4 1.8 0.1 -	46.4 46.8 48.6 48.7 -	74.6 75.1 75.2 76.7 85.6
EBBETTS PASS (CA)	8,700	5/01/84 - 5/31/84 6/01/84 - 6/30/84 7/01/84 - 7/31/84 8/01/84 - 8/31/84 9/01/84 - 9/30/84	0.5 2.3 2.0 0.2 0.0	54.6 56.9 58.9 59.1 59.1	84.5 85.7 86.0 87.9 90.6
KINGSBURY GRADE (NV)	6,400	5/01/84 - 5/31/84 6/01/84 - 6/30/84 7/01/84 - 7/31/84 8/01/84 - 8/31/84 9/01/84 - 9/30/84	0.3 1.2 0.0 0.0 0.0	23.98 25.18 25.18 25.18 25.18	- -- - - -
LEAVITT MEADOWS (CA)	7,200	5/01/84 - 5/31/84 6/01/84 - 6/30/84 7/01/84 - 7/31/84 8/01/84 - 8/31/84 9/01/84 - 9/30/84	0.2 1.7 2.1 0.4 0.7	33.2 34.9 37.0 37.4 38.7	42.8 43.8 43.8 45.3 46.1
LOBDELL LAKE (CA)	9,200	5/01/84 - 5/31/84 6/01/84 - 6/30/84 7/01/84 - 7/31/84 8/01/84 - 8/31/84 9/01/84 - 9/30/84	0.0 0.6 0.2 0.3 0.5	23.7 24.1 24.3 24.6 25.1	38.2 38.8 38.8 41.3 42.3
PINE NUT MOUNTAINS, LOWER (NV)	6,300	5/01/84 - 5/31/84 6/01/84 - 6/30/84 7/01/84 - 7/31/84 8/01/84 - 8/31/84 9/01/84 - 9/30/84	0.0 0.0 0.0 0.0 0.4	10.5 10.5 10.5 10.5 10.9	- - - - 9.1
PINE NUT MOUNTAINS, UPPER (NV)	7,300	5/01/84 - 5/31/84 6/01/84 - 6/30/84 7/01/84 - 7/31/84 8/01/84 - 8/31/84 9/01/84 - 9/30/84	0.4 0.6 0.2 1.0 0.7	14.7 15.3 15.5 16.5 17.2	- - - - 28.9
SNOWTEL PROVISIONAL					

PRECIPITATION (Inches)

BASIN AND PRECIPITATION GAGE LOCATION	ELEVATION	PERIOD OF MEASUREMENT	CURRENT RECORD		PAST RECORD
			ACCUM. PRECIP. FOR THE PERIOD	ACCUM. PRECIP. SINCE 10/1/83	ACCUM. PRECIP. PREVIOUS YEAR
CARSON-WALKER (CONT.)					
POISON FLAT (CA)	7,900	5/01/84 - 5/31/84 6/01/84 - 6/30/84 7/01/84 - 7/31/84 8/01/84 - 8/31/84 9/01/84 - 9/30/84	0.1 1.1 1.2 0.1 0.1	31.0 32.1 33.3 33.4 33.5	48.0 49.2 49.2 51.4 52.9
SONORA PASS BRIDGE (CA)	8,800	5/01/84 - 5/31/84 6/01/84 - 6/30/84 7/01/84 - 7/31/84 8/01/84 - 8/31/84 9/01/84 - 9/30/84	0.3 1.3 1.4 0.3 0.6	39.0 40.3 41.7 42.0 42.6	56.9 57.7 57.7 60.4 62.1
SPRATT CREEK (CA)	6,080	5/01/84 - 5/31/84 6/01/84 - 6/30/84 7/01/84 - 7/31/84 8/01/84 - 8/31/84 9/01/84 - 9/31/84	0.4 2.3 0.9 0.2 0.7	34.4 36.7 37.6 37.8 38.5	48.3 49.1 49.1 54.2 55.9
VIRGINIA LAKES RIDGE (CA)	9,200	5/01/84 - 5/31/84 6/01/84 - 6/30/84 7/01/84 - 7/31/84 8/01/84 - 8/31/84 9/01/84 - 9/30/84	0.4 1.5 1.3 0.7 0.3	26.5 28.0 29.3 30.0 30.3	42.9 43.2 43.2 45.8 46.3
WET MEADOWS #2 (CA)	8,050	5/01/84 - 5/31/84 6/01/84 - 6/30/84 7/01/84 - 7/31/84 8/01/84 - 8/31/84 9/01/84 - 9/30/84	1.2 2.0 2.2 0.2 2.2	50.9 52.9 55.1 55.3 57.5	80.4 80.9 81.0 82.2 86.3
HUMBOLDT					
BIG CREEK SUMMIT	8,700	5/01/84 - 5/31/84 6/01/84 - 6/30/84 7/01/84 - 7/31/84 8/01/84 - 8/31/84 9/01/84 - 9/30/84	1.4 1.7 1.2 3.3 1.8	30.7 32.4 33.6 36.9 38.7	32.3 34.1 34.6 37.8 40.0
BUCKSKIN, LOWER	6,700	5/01/84 - 5/31/84 6/01/84 - 6/30/84 7/01/84 - 7/31/84 8/01/84 - 8/31/84 9/01/84 - 9/30/84	2.7 3.2 0.3 0.3 1.0	33.9 37.1 37.4 37.7 38.7	28.7 32.2 32.6 33.7 34.3
CORRAL CANYON	8,500	5/01/84 - 5/31/84 6/01/84 - 6/30/84 7/01/84 - 7/31/84 8/01/84 - 8/31/84 9/01/84 - 9/30/84	1.6 3.4 0.7 3.2 0.8	34.4 37.8 38.5 41.7 42.5	29.9 32.2 32.4 36.5 38.7
DORSEY BASIN	8,100			NO DATA	
DRAW CREEK	7,200	5/01/84 - 5/31/84 6/01/84 - 6/30/84 7/01/84 - 7/31/84 8/01/84 - 8/31/84 9/01/84 - 9/30/84	- - - 0.6 0.2	- - 31.3 31.9 32.1	- - - 22.7 24.1
GRANITE PEAK	7,800	5/01/84 - 5/31/84 6/01/84 - 6/30/84 7/01/84 - 7/31/84 8/01/84 - 8/31/84 9/01/84 - 9/30/84	3.7 3.4 0.0 0.0 0.0	45.0 48.4 48.4 48.4 48.4	42.7 45.7 46.2 47.8 49.2
GREEN MOUNTAIN	8,000	5/01/84 - 5/31/84 6/01/84 - 6/30/84 7/01/84 - 7/31/84 8/01/84 - 8/31/84 9/01/84 - 9/30/84	2.2 3.8 0.7 1.4 1.7	43.3 47.1 47.8 49.2 50.9	33.2 34.4 34.5 39.1 40.0
SNOWTEL PROVISIONAL					

PRECIPITATION (Inches)

BASIN AND PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT RECORD			PAST RECORD
		PERIOD OF MEASUREMENT	ACCUM. PRECIP. FOR THE PERIOD	ACCUM. PRECIP. SINCE 10/1/ 83	
<u>HUMBOLDT (CONT.)</u>					
LAMANCE CREEK	5,000	5/01/84 - 5/31/84 6/01/84 - 6/30/84 7/01/84 - 7/31/84 8/01/84 - 8/31/84 9/01/84 - 9/30/84	3.0 4.4 3.9 0.7 0.4	40.5 44.9 45.2 46.5 46.9	32.3 34.5 35.5 37.5 39.7
LAMOILLE #3	7,700	5/01/84 - 5/31/84 6/01/84 - 6/30/84 7/01/84 - 7/31/84 8/01/84 - 8/31/84 9/01/84 - 9/30/84	1.2 3.3 1.4 1.5 1.1	36.2 39.5 40.9 42.4 43.5	29.4 31.3 31.7 36.2 38.4
<u>SNAKE-OWYHEE</u>					
BEAR CREEK	7,800	5/01/84 - 5/31/84 6/01/84 - 6/30/84 7/01/84 - 7/31/84 8/01/84 - 8/31/84 9/01/84 - 9/30/84	3.2 6.3 2.6 3.0 0.9	43.4 49.7 52.3 55.3 56.2	33.2 35.2 35.6 38.3 39.1
BIG BEND	6,700	5/01/84 - 5/31/84 6/01/84 - 6/30/84 7/01/84 - 7/31/84 8/01/84 - 8/31/84 9/01/84 - 9/30/84	1.5 1.7 1.9 1.3 2.3	20.5 22.2 24.1 25.4 27.7	15.9 17.1 17.5 19.2 19.8
GOAT CREEK	8,800	5/01/84 - 5/31/84 6/01/84 - 6/30/84 7/01/84 - 7/31/84 8/01/84 - 8/31/84 9/01/84 - 9/30/84	2.5 4.6 3.3 2.1 0.8	43.4 48.0 51.3 53.4 54.2	35.6 38.1 38.5 39.9 41.0
JACK CREEK #2, UPPER	7,250	5/01/84 - 5/31/84 6/01/84 - 6/30/84 7/01/84 - 7/31/84 8/01/84 - 8/31/84 9/01/84 - 9/30/84	1.7 2.8 3.2 1.1 0.3	40.0 42.8 46.0 47.1 47.4	28.5 31.1 31.4 35.9 37.3
JACKS PEAK	8,420	5/01/84 - 5/31/84 6/01/84 - 6/30/84 7/01/84 - 7/31/84 8/01/84 - 8/31/84 9/01/84 - 9/30/84	3.1 5.5 1.3 1.5 0.3	50.5 56.0 57.3 58.8 59.1	42.6 45.5 45.6 52.3 54.5
LAUREL DRAW	6,700	5/01/84 - 5/31/84 6/01/84 - 6/30/84 7/01/84 - 7/31/84 8/01/84 - 8/31/84 9/10/84 - 9/30/84	2.4 4.4 1.2 1.0 0.8	30.2 34.6 35.8 36.8 37.6	25.2 27.0 27.6 30.0 30.5
POLE CREEK RANGER STATION	8,330	5/01/84 - 5/31/84 6/01/84 - 6/30/84 7/01/84 - 7/31/84 8/01/84 - 8/31/84 9/01/84 - 9/30/84	1.0 3.8 3.5 1.8 1.1	24.6 28.4 31.9 33.7 34.8	19.4 21.4 22.0 22.8 24.7
SEVENTY SIX CREEK	7,100	5/01/84 - 5/31/84 6/01/84 - 6/30/84 7/01/84 - 7/31/84 8/01/84 - 8/31/84 9/01/84 - 9/30/84	1.9 3.5 3.5 1.4 0.1	27.5 31.0 34.5 35.9 36.0	20.0 21.1 21.2 24.1 25.1
TAYLOR CANYON	6,300	5/01/84 - 5/31/84 6/01/84 - 6/30/84 7/01/84 - 7/31/84 8/01/84 - 8/31/84 9/01/84 - 9/30/84	- 0.0 - - -	16.5 16.5 - - -	8.3e 9.4 9.4 9.9 11.1

e - ESTIMATED
SNOWTEL PROVISIONAL

PRECIPITATION (Inches)

BASIN AND PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT RECORD			PAST RECORD
		PERIOD OF MEASUREMENT	ACCUM. PRECIP. FOR THE PERIOD	ACCUM. PRECIP. SINCE 10/1/ 83	ACCUM. PRECIP. PREVIOUS YEAR
<u>EASTERN NEVADA</u>					
BERRY CREEK	9,100	5/01/84 - 5/31/84 6/01/84 - 6/30/84 7/01/84 - 7/31/84 8/01/84 - 8/31/84 9/01/84 - 9/30/84	1.1 2.4 3.4 2.8 2.0	24.1 26.5 29.9 32.7 34.7	27.2 29.6 29.7 35.3 35.9
DIAMOND PEAK	8,040	5/01/84 - 5/31/84 6/01/84 - 6/30/84 7/01/84 - 7/31/84 8/01/84 - 8/31/84 9/01/84 - 9/30/84	- 0.8 0.8 2.5 2.7	25.9 26.7 27.5 30.0 32.7	- - - - -
HOLE-IN-MOUNTAIN	7,900			NO DATA	
WARD MOUNTAIN	8,900	5/01/84 - 5/31/84 6/01/84 - 6/30/84 7/01/84 - 7/31/84 8/01/84 - 8/31/84 9/01/84 - 9/30/84	0.9 0.7 4.7 2.8 1.8	19.3 20.0 24.7 27.5 29.3	27.1 28.9 29.1 33.8 35.5
<u>NORTHERN GREAT BASIN</u>					
CEDAR PASS (CA)	7,100	5/01/84 - 5/31/84 6/01/84 - 6/30/84 7/01/84 - 7/31/84 8/01/84 - 8/31/84 9/01/84 - 9/30/84	1.8 3.9 0.3 1.8 -	41.8 45.7 46.0 47.8 -	42.4 44.4 44.7 46.9 49.1
DISASTER PEAK	6,500	5/01/84 - 5/31/84 6/01/84 - 6/30/84 7/01/84 - 7/31/84 8/01/84 - 8/31/84 9/01/84 - 9/30/84	0.7 2.1 1.0 1.0 0.4	30.3 32.4 33.4 34.4 34.8	27.7 29.6 30.0 31.5 32.0
DISMAL SWAMP #2 (CA)	7,050	5/01/84 - 5/31/84 6/01/84 - 6/30/84 7/01/84 - 7/31/84 8/01/84 - 8/31/84 9/01/84 - 9/30/84	3.0 5.0 0.1 1.7 -	62.9 67.9 68.0 69.1 -	60.0 62.0 63.0 65.1 65.4
FERGUSON RANCH	5,560	4/3/84 - 7/3/84 7/3/84 - 8/2/84	3.6 0.1	22.5 22.6	- 14.9
FORTY NINE MOUNTAIN	6,000	4/3/84 - 7/3/84 7/3/84 - 8/2/84	4.5 0.6	23.4 24.0	- 21.7

AGENCIES COOPERATING IN COLLECTING DATA CONTAINED IN THIS BULLETIN

FEDERAL

Agricultural Research Service
Bureau of Reclamation
Fish and Wildlife Service
Forest Service
Geological Survey
Soil Conservation Service
U.S. District Court - Federal Water Master
NOAA, National Weather Service

STATE

California Cooperative Snow Surveys
California Department of Parks and Recreation
California Department of Water Resources
Colorado River Commission of Nevada
Idaho Cooperative Snow Surveys
Nevada Association of Conservation Districts
Nevada Department of Conservation & Natural Resources
Division of Water Resources
Nevada State Forester
Division of Conservation Districts
Oregon Cooperative Snow Surveys
University of Nevada, Desert Research Institute
Utah Cooperative Snow Surveys

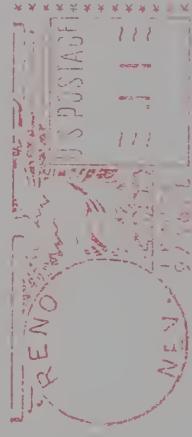
PRIVATE

Amalgamated Sugar Company
Kennecott Copper Corporation
Nevada Irrigation District
Owyhee Project North Board of Control
Owyhee Project South Board of Control
Pacific Gas and Electric Company
Pershing County Water Conservation District
Sierra Pacific Power Company
Truckee - Carson Irrigation District
Walker River Irrigation District
Washoe County Water Conservancy District

Other organizations and individuals furnish valuable information for the snow survey reports. Their cooperation is gratefully acknowledged.

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
P.O. BOX 4850
RENO, NEVADA 89505

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COOPERATIVE SNOW SURVEYS

Furnishes the basic data necessary for forecasting water supply for irrigation, domestic and municipal water supply, hydro-electric power generation, navigation, mining and industry.

"The Conservation of Water begins with the Snow Survey"